

ABSTRACT

Truncated thyroid hormone receptors $\Delta\text{TR}\alpha 1$ and $\Delta\text{TR}\alpha 2$ have been discovered to play a role in actin-based endocytosis, e.g., in the nervous system. The invention relates to methods of discovering ligands effective in modulating endocytosis and transgenic mice with altered expression of $\Delta\text{TR}\alpha 1$ and $\Delta\text{TR}\alpha 2$. The invention is useful for the discovery and testing of compounds for treating disorders of the nervous system such as depression.